

In the claims:

Please amend the claims as follows:

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (new) An untethered, active instrument for determining a position in a navigation system that assists in surgical operations, comprising a power supply including one or more solar cells.
6. (new) The untethered, active instrument of claim 5 further comprising a buffer storage unit, which is interfaced with and buffers the power supply, wherein the one or more solar cells charge the buffer storage unit.
7. (new) The untethered, active instrument of claim 6 further comprising one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument.
8. (new) The untethered, active instrument of claim 6 further comprising a wireless communication device that is powered by the power supply and allows for communication between the active instrument and the navigation system.
9. (new) The untethered, active instrument of claim 8 further comprising one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument.
10. (new) The untethered, active instrument of claim 5 further comprising one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument.

11. (new) The untethered, active instrument of claim 10 further comprising a wireless communication device that is powered by the power supply and allows for communication between the active instrument and the navigation system.

12. (new) The untethered, active instrument of claim 5 further comprising a wireless communication device that is powered by the power supply and allows for communication between the active instrument and the navigation system.

13. (new) The untethered, active instrument of claim 12 wherein the wireless communication device is an infrared interface for data transfer.

14. (new) An untethered, active instrument for determining a position in a navigation system that assists in surgical operations, comprising:

B¹
a power supply including one or more solar cells;
one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument; and
an infrared interface that is powered by the power supply and allows for data communication between the active instrument and the navigation system.

15 (new) The untethered, active instrument of claim 14 further comprising a buffer storage unit, which is interfaced with and buffers the power supply, wherein the one or more solar cells charge the buffer storage unit.

16. (new) An untethered, active instrument for determining a position in a navigation system that assists in surgical operations, comprising:

a power supply including one or more solar cells;
a buffer storage unit, which is interfaced with and buffers the power supply, wherein the one or more solar cells charge the buffer storage unit;
one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument; and

Applicant : Manfred Schmid et al.
Serial No. : 09/914,640
Filed : August 31, 2001
Page : 7 of 13

Attorney's Docket No.: 07508-033001

an infrared interface that is powered by the power supply and allows for data communication between the active instrument and the navigation system.

B1
